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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/990,291	11/23/2001	Chui-Kuei Chiu	4425-217	2387

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EXAMINER

WORKU, NEGUSSIE

ART UNIT	PAPER NUMBER
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2626

DATE MAILED: 05/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/990,291

Applicant(s)

CHIU, CHUI-KUEI

Examiner

Negussie Worku

Art Unit

2626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 23 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

*Negussie Worku*

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: Detailed Action

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Barker et al. (USP 6,646,765).

Regarding independent claim 1, Barker et al. discloses an image apparatus with batch scan and real time display, (as shown in fig 1) comprising:

a scanner (scanning device 12 of fig 1) for scanning a document to be scanned, see (col.3, lines 47-49);

a memory (memory 40 of fig 2) for storing said document that processing through said scanner (scanner 12 of fig 1);

a signal control device (control circuit 34 of fig 1) for displaying a notify signal to notice the user displaying said document on a display device (a computer monitor 20 of fig 1) when said document stores in said memory (memory 40 of fig 1) through said scanner (scanning device 12 of fig 1); and

a switch control device (control circuit 34 of fig 1, controls a read out display 30 of fig 1) for receiving a starting signal to display said document on said display device, and noticing said scanner proceeding to scan next document, (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, see (col.3, lines 57-58).

Regarding to claim 2, Barker et al. discloses the apparatus (fig 1), further comprising a transmission device (scanner device 12 is a sheet-feed scanner) transmitting said document to be scanned into said scanner, see (col.3, line 47-49).

Regarding to claim 3, Barker et al. discloses the apparatus (fig 1), wherein said transmission device (sheet-feed device of scanner 12 of fig 1) is selected from the group consisting of positive photograph holder, negative photograph holder, and ADF (automatic document feeder), see (col.3, line 47-49).

Regarding to claim 4, Barker et al. discloses the apparatus (fig 1), wherein said memory is selected (memory is selected by CPU 46 of fig 2) from the group consisting of ring buffer and ping-pong buffer, (memory 40 and 48, which is equivalent to applicant's discloses structure as depicted at applicant's fig 2).

Regarding to claim 5, Barker et al. discloses the apparatus (fig 1), wherein said memory comprises two memory buffer blocks (memory 40 and 48) at least, and the

Art Unit: 2626

capacity of said memory is determined by user, (memory 40 and 48, which is equivalent to applicant's discloses structure as depicted at applicant's fig 2).

Regarding to claim 6, Barker et al. discloses the apparatus (fig 1), further comprising a display switch for receiving a notify signal and displaying said notify signal on said display device for informing user to display said document (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, see (col.3, lines 57-58).

Regarding to claim 7, Barker et al. discloses the apparatus (fig 1), wherein said notify signal is selected from the group consisting of arrow image, twinkling image and unlike color image, (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, see (col.3, lines 57-58).

Regarding to claim 8, Barker et al. discloses the apparatus (fig 1), wherein said display device is selected from the group consisting of television, monitor, liquid crystal display and projector, (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, through LCD 30 of fig 1, monitor 20 of fig 1, see (col.3, lines 57-58).

Regarding independent claim 9, Barker et al. discloses an image apparatus with batch scan and real time display, (as shown in fig 1) comprising:

a scanner (scanning device 12 of fig 1) for scanning a document to be scanned, see (col.3, line47-49);

a transmission device (scanner device 12 has a document feed device) for transmitting said first document to be scanned into said scanner (scanner 12 of fig 1) see (col.3, line 47-49);

a memory (memory 40 of fig 2) for storing said document that processing through said scanner (scanner 12 of fig 1);

a signal control device (control circuit 34 of fig 1) for displaying a notify signal to notice the user displaying said document on a display device (a computer monitor 20 of fig 1) when said document stores in said memory (memory 40 of fig 1) through said scanner (scanning device 12 of fig 1);

a display switch for receiving a notify signal and displaying said notify signal on said display device for informing user to display said document (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, see (col.3, lines 57-58); and

a switch control device ((control circuit 34 of fig 1, controls a read out display 30 of fig 1) for receiving a starting signal to display said document on said display device, and noticing said scanner proceeding to scan next document, (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, see (col.3, lines 57-58).

Regarding to claim 10, Barker et al. discloses the apparatus (fig 1), wherein said transmission device (sheet-feed device of scanner 12 of fig 1) is selected from the group consisting of positive photograph holder, negative photograph holder, and ADF (automatic document feeder), see (col.3, line 47-49).

Regarding to claim 11, Barker et al. discloses the apparatus (fig 1), wherein said memory is selected (memory is selected by CPU 46 of fig 2) from the group consisting of ring buffer and ping-pong buffer, (memory 40 and 48, which is equivalent to applicant's discloses structure as depicted at applicant's fig 2).

Regarding to claim 12, Barker et al. discloses the apparatus (fig 1), wherein said memory comprises two memory buffer blocks (memory 40 and 48) at least, and the capacity of said memory is determined by user, (memory 40 and 48, which is equivalent to applicant's discloses structure as depicted at applicant's fig 2).

Regarding to claim 13, Barker et al. discloses the apparatus (fig 1), wherein said notify signal is selected from the group consisting of arrow image, twinkling image and unlike color image, (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, see (col.3, lines 57-58).

Regarding to claim 14, Barker et al. discloses the apparatus (fig 1), wherein said display device is selected from the group consisting of television, monitor, liquid crystal

Art Unit: 2626

display and projector, (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, through LCD 30 of fig 1, monitor 20 of fig 1, see (col.3, lines 57-58).

Regarding to claim 15, Barker et al. discloses a scanning method (fig 1) with synchronous scan and display, (monitor 20 of fig 1) comprising: scanning a document (scanning device 12, scan document 24 of fig 1) and storing said document into memory (memory device 40 of fig 2);

displaying a notify signal to notice the user displaying said document on a display device (display 20 of fig 2, is a read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, see (col.3, lines 57-58); and

utilizing a switch control device (control circuit 34 of fig 1, controls a read out display 30 of fig 1) for receiving a starting signal to display said document on said display device, (monitor 30 of fig 2) and scanning a next document simultaneously.

Regarding to claim 16, Barker et al. discloses the method (fig 1), further comprising a transmission device (scanner device 12 is a sheet-feed scanner) transmitting said document to be scanned into said scanner, see (col.3, line 47-49). 16.

Regarding to claim 17, Barker et al. discloses the method (fig 1), wherein said transmission device (sheet-feed device of scanner 12 of fig 1) is selected from the



Art Unit: 2626

group consisting of positive photograph holder, negative photograph holder, and ADF (automatic document feeder), see (col.3, line 47-49).

Regarding to claim 18, Barker et al. discloses the method (fig 1), wherein said memory is selected (memory is selected by CPU 46 of fig 2) from the group consisting of ring buffer and ping-pong buffer, (memory 40 and 48, which is equivalent to applicant's discloses structure as depicted at applicant's fig 2).

Regarding to claim 19, Barker et al. discloses the method (fig 1), wherein said memory comprises two memory buffer blocks (memory 40 and 48) at least, and the capacity of said memory is determined by user, (memory 40 and 48, which is equivalent to applicant's discloses structure as depicted at applicant's fig 2).

Regarding to claim 20, Barker et al. discloses the method (fig 1), further comprising a display switch for receiving a notify signal and displaying said notify signal on said display device for informing user to display said document (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, see (col.3, lines 57-58).

Regarding to claim 21, Barker et al. discloses the method (fig 1), wherein said notify signal is selected from the group consisting of arrow image, twinkling image and

Art Unit: 2626

unlike color image, (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, see (col.3, lines 57-58).

Regarding to claim 22, Barker et al. discloses the method (fig 1), wherein said display device is selected from the group consisting of television, monitor, liquid crystal display and projector, (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, through LCD 30 of fig 1, monitor 20 of fig 1, see (col.3, lines 57-58).

Regarding to claim 23, Barker et al. discloses a scanning method (fig 1) with synchronous scan and display, (monitor 20 of fig 1) comprising: utilizing a transmission device (scanner device 12 is a sheet-feed scanner) transmitting said document to be scanned into said scanner, see (col.3, line 47-49); scanning said first document (scanning device 12, scan document 24 of fig 1) and storing said document into memory (memory device 40 of fig 2);

displaying a notify signal to notice the user displaying said document on a display device (display 20 of fig 2, is a read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, see (col.3, lines 57-58); and

utilizing a switch control device (control circuit 34 of fig 1, controls a read out display 30 of fig 1) for receiving a starting signal to display said document on said display device, (monitor 30 of fig 2) and scanning a next document simultaneously.

Regarding to claim 24, Barker et al. discloses the method (fig 1), wherein said transmission device (sheet-feed device of scanner 12 of fig 1) is selected from the group consisting of positive photograph holder, negative photograph holder, and ADF (automatic document feeder), see (col.3, line 47-49).

Regarding to claim 25, Barker et al. discloses the method (fig 1), wherein said memory is selected (memory is selected by CPU 46 of fig 2) from the group consisting of ring buffer and ping-pong buffer, (memory 40 and 48, which is equivalent to applicant's discloses structure as depicted at applicant's fig 2).

Regarding to claim 26, Barker et al. discloses the method (fig 1), wherein said memory comprises two memory buffer blocks (memory 40 and 48) at least, and the capacity of said memory is determined by user, (memory 40 and 48, which is equivalent to applicant's discloses structure as depicted at applicant's fig 2).

Regarding to claim 27, Barker et al. discloses the method (fig 1), wherein said notify signal is selected from the group consisting of arrow image, twinkling image and unlike color image, (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, see (col.3, lines 57-58).

Regarding to claim 28, Barker et al. discloses the method (fig 1), wherein said display device is selected from the group consisting of television, monitor, liquid crystal

Art Unit: 2626

display and projector, (read out display is provided on interface panel 26 to allow certain textual messages to be displayed for the user, through LCD 30 of fig 1, monitor 20 of fig 1, see (col.3, lines 57-58).


2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Negussie Worku whose telephone number is 571-272-7472. The examiner can normally be reached on 9am-6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams can be reached on 571-272-7471. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Negussie Worku

5/5/05

  
KIMBERLY WILLIAMS  
SUPERVISORY PATENT EXAMINER